

THE URBAN DISTRICT OF LITHERLAND.

ANNUAL REPORTS

of the

Medical Officer of Health

and of the

Sanitary Inspector

For the Year 1938.

PRINTERS

THE REGENT PRESS (BOOTLE) LTD.

IRLAM ROAD, LIVERPOOL 20.

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THE URBAN DISTRICT COUNCIL OF LITHERLAND.

YEAR 1938.

Chairman of the Council:

*COUNCILLOR J. W. ANDERSON, J P.

Chairman of the Health Committee:

*COUNCILLOR H. W. CUMPSTY.

Deputy Chairman of the Health Committee:

*COUNCILLOR J. EATON.

Councillors:

*P. T. CLUSKEY.	W. F. MCGEE.
*H. W. CUMPSTY.	*F. OSBORNE.
J. DALEY.	*J. L. PARRY.
*A. DICK.	*A. RIMMER.
*J. EATON.	E. ROBINSON.

E. A. YOUNG.

*Members of the Health Committee.

Medical Officer of Health:

T. D. WILLIAMS,
M.B., B.S. (Lond.), M.R.C.S. (Eng.), L.R.C.P. (Lond.).

Sanitary Inspector:

H. HARRISON, M.R.San.I., M.S.I.A.

Clerk to the Council:

ALEX. J. HARRINGTON.

THE URBAN DISTRICT COUNCIL OF LITHERLAND.

COUNCIL OFFICES,

LITHERLAND,

19th June, 1939.

TO THE CHAIRMAN AND MEMBERS

OF THE HEALTH COMMITTEE.

LADIES AND GENTLEMEN,

In accordance with the Regulations of the Ministry of Health I submit herewith my Annual Report upon the Health and Sanitary conditions of the District for the year ending 31st December, 1938.

The Registrar General's estimate of the population at the middle of 1938 is 19,280 which represents an increase of 420 over the figure of 1937.

The Health of the District continues to be satisfactory; the Birth Rate shows a slight decrease, being 20.3 per 1,000 of the population, against 20.6 of last year.

The crude Death Rate is 11.3 per 1,000 of the population, as compared with last year's figure of 11.1. This shows an increase of 0.2, and the five year's average, 1933-1937, shows a decrease of 0.4. The adjusted Death Rate for 1938, after multiplying by the comparability factor for the District (1.24) is 14.0 per 1,000, showing an increase of 0.3 per 1,000.

The greatest number of deaths were due to Heart Disease (53); Cancer (25); Pneumonia and other respiratory diseases (22); Tuberculosis (13).

The Infantile Mortality Rate shows a decrease, namely, 50 per 1,000 Births, as compared with 53 last year; there were 20 Deaths of children under one year, against 21 last year, a decrease of 1.

The Zymotic Death Rate is 0.46. I have on pages 9, 13 and 28 classified the number of infectious diseases and deaths occurring in each Ward separately.

DIPHTHERIA IMMUNIZATION.—1,249 cases have been immunized since 17th May, 1935. During this time there have been 96 notifications of Diphtheria, and of these only 6 had previously been inoculated. The number of Deaths due to Diphtheria was 6—none of these had been inoculated.

HOUSING.—During the period under review the number of houses erected by private enterprise is 109, many of which have been sold to owner occupiers of the artisan class. Some of these have been financed by the Local Authority under the Small Dwellings Acquisition Acts, and the results have been gratifying.

The Council have erected 124 houses for overcrowding purposes, 84 of which have been completed and tenanted during the year, and have submitted plans and estimates to the Ministry of Health for 62 houses and 10 bungalows for old age pensioners—this scheme has now been approved of by the Ministry.

Yours obediently,

T. D. WILLIAMS,

Medical Officer of Health.

The Urban District Council of Litherland.

ANNUAL REPORT

OF THE

Medical Officer of Health.

1938.

19TH JUNE, 1939.

The Urban District of Litherland is situated five miles from Liverpool, in a Northerly direction; it is bounded on the North by the West Lancashire Rural District, on the South and East by the County Borough of Bootle, and on the West by the Borough of Crosby.

The district is divided by the Leeds and Liverpool Canal. Manufacturing, and artisan dwellings occupy the whole of the South side of the district, the North being mainly of a residential and agricultural character.

The height of the district above Ordnance Datum varies from 22.7 to 91.1 feet. Geologically the subsoil consists of clay, peat and sandstone.

Rateable Value of District at 1st April, 1938 ...	£101,736
General Rate, 1938/39 ...	13/2
1d. in the £ yields approximately ...	£395

STATISTICAL SUMMARY.

Area in Acres ...	857
Population Estimated (Mid 1938) ...	19,280
Number of Houses in District on Rate Books ...	5,100
Number of Persons per House ...	3.7
Birth Rate per 1,000 ...	20.3
Crude Death Rate ...	11.3
Adjusted Death Rate per 1,000 ...	14.0
Infantile Mortality per 1,000 births ...	50
Deaths from Measles (all ages) ...	1
Deaths from Whooping Cough (all ages) ...	1
Deaths from Diarrhoea (under 2 years of age) ...	Nil
Death Rate from Tuberculosis Respiratory System per 1,000 ...	0 57
Maternal Mortality Rate per 1,000 live births ...	Nil

PRECEDING CENSUS POPULATION.

1891 ...	4,441	1921 ...	16,384
1901 ...	10,592	1931 ...	15,987
1911 ...	14,792		

The "Natural Increase" or excess of Births over Deaths during 1938 was 176, as compared with 180 in 1937, 139 in 1936, 147 in 1935, 146 in 1934, 74 in 1933, 124 in 1932, 114 in 1931.

BIRTHS.

The number of children born in the District during 1938 was 393—194 males and 199 females

The Birth Rate is 20.3 per 1,000 of the population.

TABLE OF BIRTH RATES.

Year	Rate per 1,000		Year	Rate per 1,000	
1938	...	20.3	1933	...	18.1
1937	...	20.6	1932	...	18.5
1936	...	19.3	1931	...	20.0
1935	...	20.1	1930	...	15.4
1934	...	19.5	1929	...	20.1
Mean Rate for 5 years 1933-1937					19.5
Decrease on Rate for 1938, as against Rate for 1937					0.3
Increase on 5 years average					0.8
The Birth Rate for England and Wales					15.1

DEATHS.

The total number of deaths during the year 1938 was 219 107 males and 112 females, an increase of 7, and equal to a Crude Death Rate of 11.3 per 1,000 of the population.

TABLE OF DEATH RATES.

Year	Rate per 1,000		Year	Rate per 1,000	
1938	...	11.3	1933	...	13.6
1937	...	11.1	1932	...	11.0
1936	...	11.7	1931	...	12.9
1935	...	11.5	1930	...	11.6
1934	...	10.8	1929	...	12.4
Mean Crude Death Rate for 5 years—1933-1937					11.7
The Death Rate for England and Wales					11.6
The Crude Death Rate for Litherland Residents registered in the District is					11.3
108 Deaths of Litherland Residents occurred outside the District.					

The age periods of the Deaths were :—

Year	Under 1 year	1 and under 2 years	2 and under 5 years	5 and under 15 years	15 and under 25 years	25 and under 45 years	45 and under 65 years	65 years and upward
1938	22	4	3	5	8	21	58	96
1937	21	6	3	6	10	29	54	81
1936	23	3	5	6	9	27	62	78
1935	27	3	3	7	8	17	48	84
1934	19	8	10	7	6	22	59	52
1933	28	3	9	10	17	28	65	67
1932	18	6	8	8	12	16	51	65
1931	21	8	11	8	13	22	53	73
1930	21	5	4	9	13	21	62	58
1929	38	11	7	3	13	27	57	50

INFANTILE MORTALITY.

During the year 20 children died, who, at the time of their death, had not reached the age of one year.

This gives an Infantile Mortality Rate of 50 per 1,000 births.

TABLE OF INFANTILE MORTALITY.

Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	Death Rate per 1000
1938.....	6	6	4	4	20	50
1937.....	7	4	4	6	21	53
1936.....	8	2	6	7	23	65
1935.....	6	6	3	12	27	78
1934.....	2	6	5	6	19	57
1933.....	8	8	5	7	28	93
1932.....	7	5	2	4	18	58
1931.....	6	6	1	8	21	65
1930.....	4	6	5	6	21	82
1929.....	11	8	12	7	38	111

TABLE OF ZYMOTIC DEATHS.

Year	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929
Smallpox...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	1	...	...	...	2	...	1	2	...	1
Diphtheria ...	3	1	2	5	6	2	8	6	5	5
Measles ...	1	3	...	3	6	1	...	4	2	9
Whooping Cough	1	1	...	...	...	3	5	1	1	...
Enteric Fever ...	1	...	...	...	...	...	1	...	...	...
Typhus ...	...	...	...	...	...	...	...	...	...	...
Puerperal Fevers	...	1	3	2	1	2	...	2	1	...
Encephal Leth....	2	...	...	2	2	...	1	1	...	...
Erysipelas ...	...	...	...	...	...	...	...	...	...	...
C'bro-Spinal Fever	...	...	...	1	...	1	...	...	...	...

ZYMOTIC DEATH RATE.

Year	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929
Zymotic Death Rate ...	0.46	0.31	0.27	0.76	1.00	0.54	0.96	0.99	0.54	0.90

There were no deaths from Diarrhœal Diseases under the age of 2 years.

INFECTIOUS DISEASES.

140 cases of Infectious Disease were notified during the year.

			CASES NOTIFIED.									
			1938	1937	1936	1935	1934	1933	1932	1931	1930	1929
Smallpox...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	64	38	40	17	55	143	67	60	62	96
Diphtheria & Mem. Croup			37	23	14	45	38	23	83	51	57	30
Enteric Fever	...	...	1	...	...	1	1	2	1	1	...	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	6	8	17	9	13	14	9	3	14	4
Puerperal	...	...	...	...	...	...	...	...	...	1	3	...
„ Pyrexia	...	...	5	2	4	...	4	10	8	2	2	1
Cerebro Spinal Fever	...	...	...	...	...	...	...	1	...	1	...	...
Poliomyelitis	...	...	...	1	...	...	...	...	1	...	...	...
Ophthalmia Neonatorum	...	...	...	5	3	...	2	4	5	4	...	1
ACUTE PRIMARY PNEUMONIA INFLUENZAL PNEUMONIA	}		27	27	36	23	35	55	24	31	6	7
Anthrax	...	...	...	...	...	...	...	...	...	...	2	...
Encephal Leth.	...	...	...	...	...	...	1	...	...	...	...	...
Malaria	...	...	...	...	...	1	...	1	1	...	1	...
Polio-Encephalitis	...	...	...	...	...	...	...	1	1	...	1	...
			140	104	114	96	149	254	200	154	148	139

INFECTIOUS DISEASES.

			CASES REMOVED TO HOSPITAL.									
			1938	1937	1936	1935	1934	1933	1932	1931	1930	1929
Smallpox...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	52	31	32	11	46	124	59	52	51	76
Diphtheria	...	...	49	36	21	45	38	22	83	50	55	29
Enteric Fever	...	...	2	1	...	1	1	2	1	1	...	...
Puerperal Pyrexia	...	...	2	1	3	...	4	8	3	2	4	...
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	1	6	15	3	4	8	7	1	7	4
Cerebro-spinal Fever	...	...	...	...	...	...	...	1	...	1	...	...
Ophthalmia Neonatorum	...	...	...	1	...	...	...	1	1	...	...	1
Poliomyelitis	...	...	...	...	...	...	...	...	1	...	...	...
Anthrax	...	...	...	...	...	...	...	...	...	...	2	...
Encephal Leth.	...	...	...	...	...	...	1	...	...	...	...	...
Malaria	...	...	...	...	...	...	...	...	...	...	1	...
Polio-Encephalitis	...	...	...	...	...	...	...	...	...	...	1	...
Acute Pneumonia	...	...	3	...	...	...	...	...	...	...	...	...
			109	76	71	60	94	166	155	107	121	110

TUBERCULOSIS.

There were 22 cases of Respiratory and 8 cases of Non-Respiratory Tuberculosis notified.

			1938	1937	1936	1935	1934	1933	1932	1931	1930	1929
Cases Notified	...	...	30	37	39	39	37	46	37	54	49	50
Deaths	...	...	16	21	19	13	19	27	19	28	17	29
DEATH RATE FROM TUBERCULOSIS OF THE RESPIRATORY SYSTEM	}		0.57	0.95	0.93	0.46	1.13	1.44	0.96	1.24	0.87	1.50

The total number of Infectious Diseases notified in the separate Wards are as follow :—

	North	South	East	West	TOTAL
Smallpox	...	...	...	...	...
Scarlet Fever	8	25	18	13	64
Diphtheria & Mem. Croup	3	23	6	5	37
Enteric	...	...	1	...	1
Typhus	...	...	...	...	...
Erysipelas	1	...	4	1	6
Puerperal Pyrexia ...	...	3	1	1	5
Cerebro Spinal Fever ...	...	...	...	...	...
Poliomyelitis	...	...	...	...	...
Ophthalmia Neonatorum...	...	...	...	...	...
Acute Primary Pneumonia					
Influenzal Pneumonia ...	3	7	8	9	27
Anthrax	...	...	...	...	...
Encephalitis Lethargica ...	...	...	...	...	...
Malaria	...	...	...	...	...
Polio-Encephalitis...	...	...	...	...	...
TOTALS	15	58	38	29	140

PARTICULARS TO BE INCLUDED IN THE
ANNUAL REPORT OF THE MEDICAL OFFICER OF
HEALTH FOR THE YEAR 1938.

The following Tables are given as requested by the
Ministry of Health.

1.—Statistics and Social Conditions of the Area.

Area in acres	...	...	...	...	...	857
Population—Census, 1931	...	...	...	...	...	15,987
Estimated, 1938	...	...	...	...	...	19,280
No. of inhabited houses (Census, 1931)	...	...	...	...	...	3,464
„ „ „ on Rate Books, Dec., 1938	...	...	...	...	...	5,100
Rateable value	...	...	...	...	...	£101,736
Sum represented by a penny rate	...	...	...	...	...	£395
Social conditions, including the chief occupations of the inhabitants :—						

The following works in the District find employment for approximately 3,448 persons, although a large number reside outside the Litherland Area :—Messrs. Bryant & May's Match Factory; Liverpool, Litherland and Sefton Tanning Companies; Messrs. Lewis's, Clothiers; North Western Rubber Co.; Johnson Bros., Dyers; Diamond Laundry Co.; Braby & Co., Engineers; Nor West Construction Co.; Richmond Sausage Co.; Collinson's Cut Soles Factory; Burleys' Turning Mills; W. & F. Walker, Soap and Disinfectant Manufacturers; Brotherton & Co., Tar Distillers; Gardner's Printing Works; British Tin Smelting Co.

There is no special report to make on the influence of any particular occupation on public health.

UNEMPLOYMENT.—There are no separate figures at the Labour Exchange as to the extent of the unemployment in the district.

EXTRACTS FROM VITAL STATISTICS FOR THE YEAR.

	Total	M.	F.	Per 1000 of Population
Live Births :—				
Legitimate ...	383	190	193	
Illegitimate ...	10	4	6	
Total...	393	194	199	Birth Rate—20.3
Still-Births ...	18	11	7	Total (^{LIVE AND} _{STILL}) Births—43
Deaths ...	219	107	112	Death Rate—11.3

Deaths from Puerperal causes :—

				Deaths.	Death Rate per 1,000 Total (Live and Still) Births.
Puerperal Sepsis	...	...	...	Nil	Nil
Other Puerperal causes	...	...	...	Nil	Nil
Total	...	...	...	Nil	Nil

Death Rate of Infants under one year of age :—

All Infants per 1,000 live births	...	...	...	50
Legitimate Infants per 1,000 legitimate live births	...	...	...	52
Illegitimate Infants per 1,000 illegitimate live births	...	...	...	Nil
Deaths from Cancer (all ages)	...	...	...	25
Deaths from Measles (all ages)	...	...	...	1
Deaths from Whooping Cough (all ages)	...	...	...	1
Deaths from Diarrhoea (under 2 years)	...	...	...	Nil

Per 1000 of estimated population

Population— Estimate Mid. 1938 19,280	Live Birth Rate	Crude Death Rate	Death Rate from Tuber- culosis of Res- piratory System	Death Rate from Cancer	MATERNAL MORTALITY RATE		Rate of Deaths under One Year per 1000 Live Births
					Per 1000 Live Births	Per 1000 Total (Live and Still) Births	
Mean of 5 years, 1933-1937	19.5	11.7	0.98	1.33	5.31	5.13	69
Year							
1937	20.6	11.1	0.95	1.16	2.56	2.48	53
1938	20.3	11.3	0.57	1.29	Nil	Nil	50
Increase or de- crease in 1938 on 5 years' average, 1933-1937	+0.8	—0.4	—0.41	—0.04	—5.31	—5.13	—19
Previous year	—0.3	+0.2	—0.38	+0.13	—2.56	—2.48	— 3

1938 adjusted death rate (comparability factor 1.24)=

14.0 per 1,000.

CAUSES OF DEATH IN LITHERLAND URBAN DISTRICT, 1938.

<i>Causes of Death.</i>						<i>M.</i>		<i>F.</i>
						107	—	112
1.	Typhoid and Paratyphoid Fevers	...				1	...	—
2.	Measles	...	...	...	...	1	...	—
3.	Scarlet Fever	...	...	...	...	—	...	1
4.	Whooping Cough	...	...	...	...	—	...	1
5.	Diphtheria	...	...	...	...	3	...	—
6.	Influenza	...	...	...	...	1	...	—
7.	Encephalitis Lethargica	...	...	...	...	2	...	—
8.	Cerebro-spinal Fever	...	...	...	...	—	...	—
9.	Tuberculosis of Respiratory System	...				6	...	5
10.	Other Tuberculosis Diseases	...	...			—	...	2
11.	Syphilis	...	...	...	...	—	...	1
12.	General Paralysis of the Insane, Tabes Dorsalis	...	...	...	...	—	...	—
13.	Cancer, Malignant Disease	...	...			12	...	13
14.	Diabetes	...	...	...	...	2	...	1
15.	Cerebral Hæmorrhage, &c.	...	...			5	...	5
16.	Heart Disease	...	...	...	...	18	...	35
17.	Aneurysm	...	...	...	...	2	...	—
18.	Other Circulatory Diseases	...	...			4	...	3
19.	Bronchitis	...	...	...	...	3	...	1
20.	Pneumonia (all forms)	...	...	...	...	9	—	10
21.	Other Respiratory Diseases	...	...			2	...	1
22.	Peptic Ulcer	...	...	...	...	—	...	—
23.	Diarrhœa, &c. (under 2 years)	...	...			—	...	—
24.	Appendicitis	...	...	...	...	—	...	1
25.	Cirrhosis of Liver	...	...	...	...	1	...	—
26.	Other Diseases of Liver, &c.	...	...			1	...	—
27.	Other Digestive Diseases	...	...			1	...	2
28.	Acute and Chronic Nephritis	...	...			2	...	6
29.	Puerperal Sepsis	...	...	...	...	—	...	—
30.	Other Puerperal causes	...	...	...	...	—	...	—
31.	Congenital Debility, Premature Birth, Malformations, &c.	...	...	...	...	8	...	4
32.	Senility	...	...	...	...	2	...	4
33.	Suicide	...	...	...	...	3	...	1

<i>Causes of Death.</i>						<i>M.</i>	<i>F.</i>
34.	Other Violence	...	...	...	...	4	5
35.	Other Defined Diseases	...	...	...	...	9	7
36.	Causes ill-defined or unknown	...	...	...	...	6	2

Special Causes (included in No. 35 above) :—

Smallpox	...	...	...	...	—	...	—
Poliomyelitis	...	...	...	...	—	...	—
Polioencephalitis	...	...	...	...	—	...	—

Live Births :—

Total	...	...	...	...	...	194	199
Legitimate	...	...	...	...	...	190	193
Illegitimate	...	...	...	...	...	4	6

Stillbirths :—

Total	...	...	...	...	...	11	7
Legitimate	...	...	...	...	...	11	7
Illegitimate	...	...	...	...	...	—	—

Deaths of Infants under 1 year :—

Total	...	...	...	...	...	12	8
Legitimate	...	...	...	...	...	12	8
Illegitimate	...	...	...	...	...	—	—

Population 19,280

The age periods of the Deaths occurring in the separate Wards are as follows :—

WARDS	Under 1 Year	1 and Under 2 Yrs.	2 and Under 5 Yrs.	5 and Under 15 Yrs.	15 and Under 25 Yrs.	25 and Under 45 Yrs.	45 and Under 65 Yrs.	65 Yrs. and Over	TOTAL
NORTH	2	...	...	...	...	3	7	10	22
SOUTH	10	4	1	4	4	10	23	48	104
EAST	6	...	...	...	2	3	17	14	42
WEST	4	...	2	1	2	5	11	24	49
TOTALS	22	4	3	5	8	21	58	96	217

S.D. 55.

BIRTH-RATES, DEATH-RATES, ANALYSIS
OF MORTALITY, MATERNAL DEATH-RATES,
AND CASE-RATES FOR CERTAIN INFECTIOUS
DISEASES IN THE YEAR 1938.

England and Wales,
London, 126 Great
Towns & 148 Smaller
Towns.

(Provisional Figures based on Weekly and Quarterly Returns.)

	England and Wales.	126 County Boroughs and Great Towns, including London.	148 Smaller Towns (Resident Populations 25,000 to 50,000 at 1931 Census).	London. Adminis- trative County.
Rates per 1,000 Population.				
Births—				
Live	15.1	15.0	15.4	13.4
Still	0.60	0.65	0.60	0.48
Deaths—				
All Causes	11.6	11.7	11.0	11.4
{ Typhoid and Paratyphoid Fevers }	0.00	0.00	0.00	0.00
Smallpox... ..	0.00	...	0.00	...
Measles	0.04	0.05	0.03	0.06
Scarlet Fever	0.01	0.01	0.01	0.01
Whooping Cough	0.03	0.03	0.02	0.03
Diphtheria	0.07	0.07	0.06	0.05
Influenza... ..	0.11	0.10	0.11	0.06
Violence	0.54	0.45	0.42	0.51
Notifications—				
Smallpox... ..	0.00	0.00	0.00	...
Scarlet Fever	2.41	2.60	2.58	2.05
Diphtheria	1.58	1.85	1.53	1.90
Enteric Fever	0.03	0.03	0.04	0.05
Erysipelas	0.40	0.46	0.39	0.46
Pneumonia	1.10	1.28	0.98	0.98
Rates per 1,000 Live Births.				
Deaths under 1 year of age	53	57	51	57
Deaths from Diarrhoea and Enteritis under 2 years of age	5.5	7.8	3.6	13.1
Maternal Mortality—				
Puerperal Sepsis	0.89	} Not available.		
Others	2.19			
Total	3.08			
Rates per 1,000 Total Births (i.e., Live and Still).				
Maternal Mortality—				
Puerperal Sepsis	0.86	} Not available.		
Others	2.11			
Total	2.97			
Notifications—				
Puerperal Fever... ..	14.42	18.08	12.51	3.53
Puerperal Pyrexia }				15.46

2.—General Provision of Health Services for the Area.

HOSPITALS.

There are no Hospitals in the district, but the Council have agreements with the County Borough of Bootle for infectious disease.

SMALLPOX.

Cases are removed under the above agreement to Liverpool, a retaining fee of £2 per 1,000 of population being paid.

The OTHER INFECTIOUS DISEASES are removed to Linacre Lane, Bootle, no retaining fee being paid. The patients are not required to contribute towards the cost of treatment, the accommodation is not limited, therefore quite sufficient.

No action has been taken or advised with the object of securing that the Hospital accommodation is utilised to the best extent, or to shorten the period of stay of uncomplicated cases of Scarlet Fever. Cases have been treated at home where there have been facilities for isolation and suitable nursing.

No new methods have been adopted for the selection of individual cases for which admission to Hospitals is most imperative, nor any new decision as to the admission of cases of diseases such as Measles or Whooping Cough.

TUBERCULOSIS.

This work is administered by the Lancashire County Council, the Tuberculosis Dispensary being situated at 7 Claremont Road, Seaforth.

MATERNITY.

There is no Maternity Hospital in the district, but the Liverpool and Bootle Hospitals are available.

MIDWIVES.

There are two Midwives on the County Council Register and practising in the district. There are no Health Visitors, Nurses or Midwives employed by or assisted by the Local Authority.

GENERAL MEDICAL. GENERAL SURGICAL.

These cases are removed to the General Hospitals of Liverpool, Bootle and Waterloo.

CHILDREN.

The above Hospitals are used, also the Liverpool Children's Hospital.

VENEREAL DISEASES.

Patients make their own arrangements with the Liverpool Voluntary Hospitals.

There are no Poor Law or other Institutions in the district.

MATERNITY MORTALITY.

No special arrangements have been made for the investigation of maternal deaths, and cases of Puerperal Fever or Puerperal Pyrexia; this work is carried out by the Lancashire County Council.

AMBULANCE FACILITIES.

(a) For infectious diseases the County Borough of Bootle Motor Ambulance.

(b) For non-infectious cases, accident and maternity cases the Motor Ambulances of :—Bootle General Hospital, Waterloo General Hospital, Lancashire Public Assistance Committee, Merseyside Hospitals (1d. in the £ Subscribers) Ambulance, and Police, and are quite satisfactory.

CLINIC AND TREATMENT CENTRES.

This work is administered by the Lancashire County Council. The Clinic is situated at 32 Linacre Road, Litherland, and provides for :—

MATERNITY AND CHILD WELFARE.

Consultation and treatment.

SCHOOL CLINIC.

Dental, orthopædic and minor ailments.

The times of opening are as follows :—

Monday	...	...	9.30 a.m. to 12 noon;	2 to 4 p.m.
Tuesday	...	...	10.0 a.m. to 12 noon;	2 to 4 p.m.
Wednesday	...	...	9.30 a.m. to 12 noon;	2 to 4 p.m.
Thursday	...	...	9.15 a.m. to 12.15 p.m.;	2 to 4 p.m.
Friday	...	...	9.0 a.m. to 12 noon.	

There is no Day Nursery, Artificial Light Clinic; or Institutional provision for unmarried mothers, illegitimate infants, or homeless children in the district.

MENTAL TREATMENT ACT, 1930.

An Out-Patient Clinic for the treatment of nervous and mental disorders has been opened at Bootle General Hospital by the Lancashire Mental Hospitals Board. The Clinic is held on Tuesdays, from 3 to 5 p.m.

PROFESSIONAL NURSING IN THE HOME.

One District Nurse (Litherland District Nursing Association) visits on request of the Medical Practitioners by arrangement with the District Nursing Association. There is no financial obligation to the Council.

The Local Authority contributes to the Merseyside Hospitals (1d. in the £ Scheme) in connection with the Council employees, also to the Bootle General Hospital and the Waterloo General Hospital.

HEALTH EDUCATION.

Health Posters have been displayed, and frequently changed, on the late Empire Marketing Boards.

PATHOLOGICAL AND BACTERIOLOGICAL EXAMINATIONS.

Sputum.—These specimens are sent direct to Lancashire County Council Tuberculosis Dispensary, by Medical Practitioners.

Blood, Throat Swabs, etc.—Sent direct by Medical Practitioners to Dr. H. D. Wright, Liverpool University, Bacteriological Department, and to Bootle Infectious Disease Hospital.

Milk.—Twelve samples were submitted to Dr. H. D. Wright, Liverpool University.

BYE-LAWS, ACTS, ORDERS AND REGULATIONS IN FORCE WITHIN THE DISTRICT.

New Streets and Buildings (1927).

Sufficiency of Space about Buildings.

Hackney Carriages.

Pleasure Grounds.

Regulation of Offensive Trades.

Public Health (Smoke Abatement) Act, 1926.

ACTS ADOPTED BY THE COUNCIL.

Infectious Disease (Prevention) Act, 1890, as amended by Public Health Act, 1936.

Public Health Acts Amendment Act, 1890, Parts I., II., III. and IV., as amended by Public Health Act, 1936.

Private Street Works Act, 1892.

Public Health Acts Amendment Act, 1907, Part I.

Part II. with the exception of Sections 16 and 18.

Part VI.

Part VII., Sections 79, 81 and 86.

Part VIII., Sections 87, 88 and 90.

Part IX.

Part X., Section 95.

Local Government Act, 1894, Section 33 (Order of Local Government Board, dated 26th November, 1895).

Powers of a Parish Council, contained in Sections 8, 9 (as amended by the Small Holdings and Allotments Act, 1907) and 13 of the Act.

Small Dwelling Acquisition Acts, 1899-1923.

Public Health Act, 1925. Part II., as amended by Public Health Act, 1936.

Local Government and Other Officers' Superannuation Act, 1922.

Slaughter of Animals Act, 1933.

ACTS UNDER WHICH POWERS HAVE BEEN DELEGATED BY THE COUNTY COUNCIL TO THIS COUNCIL.

Housing (Rural Workers) Act, 1926.

Local Government Act, 1929, Section 35.

PUBLIC HEALTH OFFICERS OF THE LOCAL AUTHORITY.

Medical Officer of Health—Dr. T. D. Williams, M.B., B.S. (Lond.), M.R.C.S. (Eng.), L.R.C.P. (Lond.).

Part-time Officer, who is also visiting Medical Officer to Seafield House, Mental Defectives.

Sanitary Inspector—H. Harrison, M.R.San.I., M.S.I.A.

Certified Royal Sanitary Institute and Sanitary Inspectors Joint Board.

Certified Royal Sanitary Institute, Meat and Other Foods.

Certified Liverpool University, Smoke Abatement and Fuel Economy.

Full-time Officer.

3.—Sanitary Circumstances of the Area.

WATER SUPPLY.

The water supply is obtained from the City of Liverpool, the chief source is Lake Vyrnwy in Wales. The water is excellent in quality, and there is a constant supply for all purposes. The number of houses supplied direct from the public mains is approximately 2,226. All the new houses have been provided with an efficient water supply. There has been no analysis during the year.

DRAINAGE AND SEWAGE.

The sewage (which is dealt with on the combined system) is discharged without treatment into the River Mersey.

A combined scheme for an area comprising portions of the County Borough of Bootle, Borough of Crosby, West Lancashire Rural District Council and Litherland Urban District Council is under consideration.

During the year 558 lin. yds. of 18 ins., and 355 lin. yds. of 9 ins. diameter sewer were laid, and 1218 lin. yds. of 6 ins., 1828 lin. yds. of 4 ins. house drains. The smoke test is applied to all new drains. Sewers and street gullies, etc., are flushed by the Council when necessary.

RIVERS AND STREAMS.

No action has been necessary to check pollution of rivers and streams, and no new works have been established to cause pollution.

Closet Accommodation at end of 1938:—

Privy Middens—

No. of Middens	...	...	...	...	One.
No. of Closets attached to these Middens					One.
No. of Pail Closets	...	...	...	...	Nil.
No. of Houses with Fresh Water Closets					5,225
No. of Waste Water Closets	...	...	...	...	Nil

Conversions—

		During year 1938	During 5 years 1933—1937	
No. of Privy Closets	{ To Fresh W.C.'s	Nil	...	Nil
	{ To Waste W.C.'s	Nil	...	Nil
	{ To Pails, &c.	Nil	...	Nil
No. of Pail Closets	{ To Fresh W.C.'s	Nil	...	Nil
	{ To Waste W.C.'s	Nil	...	Nil
No. of Waste W.C.'s to Fresh W.C.'s ...		Nil	...	Nil
No. of Houses at which Movable Ashbins have been substituted for fixed receptacles		Nil.	...	45

Fresh water closets of the washdown pedestal type are being provided for all new property.

SCAVENGING.

This work is carried out by the Sanitary Authority. Refuse is removed weekly from dwelling-houses and at least twice per week from shops, and is conveyed by motor vehicles to the Council's destructor, situated in Field Lane, Litherland. Orderly carts have been provided, and litter baskets have also been fixed at various parts of the district. The method adopted is quite satisfactory.

SANITARY INSPECTIONS DURING 1938.

No. of premises visited	1,025
Defects or Nuisances—	
No. discovered	2,612
No. abated	2,588
No. of Notices served—	
Informal	986
Statutory	17
Legal Proceedings—	
No.	Nil

OFFICES AND SHOPS ACT, 1934.

No statutory action has been necessary, extra sanitary accommodation, ventilation, and provision for heating has been provided where necessary.

CAMPING SITES.

There were no licences issued for camping sites during the year.

SMOKE ABATEMENT.

The Council have made a Bye-law under the Public Health (Smoke Abatement) Act, 1926. Ten observations were taken. The time limit allowed for the emission of black smoke is four minutes per hour.

SWIMMING BATHS AND POOLS.

There are no Swimming Baths or Pools within the district.

ERADICATION OF BED BUGS.

One hundred and fifty-seven houses were disinfected during the year; 26 Council houses and 131 other houses. Advice is given to tenants by the Sanitary Inspector on taking up tenancy.

SCHOOLS.

The sanitary condition and the water supply of the schools in the district is satisfactory. The schools have been disinfected after the holidays. There was no closing of the schools as a result of infection during the year.

The St. John's Ambulance Corps is now established and does its work in a very efficient manner.

PREMISES AND OCCUPATIONS WHICH CAN BE CONTROLLED BY BYE-LAWS OR REGULATIONS.

There are no Common Lodging Houses; Houses let in Lodgings; Tents, Vans or Sheds, or Underground Sleeping Rooms in the district. Five caravans came into the district, and were ordered to be removed by the Court, notices having been served by the Local Authority on the owners of the land, and on the occupiers.

OFFENSIVE TRADES.

There are five Tanneries and thirteen Fish and Chip Potato premises in the district; these are inspected from time to time.

SLAUGHTER-HOUSES.

There is only one Private Slaughter-house in the district, and this is a Registered Slaughter-house.

RAG FLOCK ACTS, 1911 AND 1928.

There are no premises in the district in which Rag Flock is manufactured or sold.

CANAL BOATS.

Number inspected : None.

4.—Housing.

STATISTICS FOR THE YEAR 1938.

No. of new houses erected during the year 1938 :—

(a) Total (including numbers given separately under (b))	(b)	193
(i) By the Local Authority	...	84
(ii) By other Local Authorities	...	Nil
(iii) By other bodies or persons	...	109
(b) With State assistance under the Housing Acts—		
(i) By the Local Authority	...	84
(ii) By other bodies or persons	...	Nil

Financial assistance for purposes of housing accommodation :

Advances made during 1938 to owner occupiers of houses under the Small Dwellings Acquisition Act, 1899-1925—

	Number.	Amount.
In respect of newly built houses	9	£3,458
In respect of other houses	Nil	Nil

No subsidies or advances of any kind have been made in respect of housing.

1. INSPECTION OF DWELLING-HOUSES DURING THE YEAR :—

(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	978
(b) Number of inspections made for the purpose	3,276
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	38
(b) Number of inspections made for the purpose	80
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	Nil
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	159

2. REMEDY OF DEFECTS WITHOUT SERVICE OF FORMAL NOTICES.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	142
--	-----

3. ACTION UNDER STATUTORY POWERS.

A.—Proceedings under sections 9, 10 and 16 of the Housing Act, 1936 :—

(1) Number of dwelling-houses in respect of which notices were served requiring repairs ...	Nil
(2) Number of dwelling-houses which were rendered fit after service of formal notice :—	
(a) By owners	Nil
(b) By Local Authority in default of owners	Nil

B.—Proceedings under Public Health Acts :—

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	17
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :	
(a) By owners	17
(b) By Local Authority in default of owners	Nil

C.—Proceedings under Sections 11 and 13 of the Housing Act, 1936 :—

- | | |
|--|-----|
| (1) Number of dwelling-houses in respect of which Demolition Orders were made | Nil |
| (2) Number of dwelling-houses demolished in pursuance of Demolition Orders | Nil |

D.—Proceedings under Section 12 of the Housing Act, 1936 :—

- | | |
|--|-----|
| (1) Number of separate tenements or underground rooms in respect of which Closing Orders were made | Nil |
| (2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit | Nil |

4. HOUSING ACT, 1936, PART IV.—OVERCROWDING.

- | | |
|--|----|
| A.—(1) Number of dwellings overcrowded at the end of the year | 7 |
| (2) Number of families dwelling therein ... | 7 |
| (3) Number of persons dwelling therein ... | 71 |
| Equiv. adults, $61\frac{1}{2}$ | |

B.—Number of new cases of overcrowding reported during the year	8
--	---

C.—(1) Number of cases of overcrowding relieved during the year	103
(2) Number of persons concerned in such cases	538

D.—Particulars of any cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding	1
--	---

E.—Any other particulars with respect to overcrowding conditions upon which the Medical Officer of Health may consider it desirable to report	Nil
---	-----

GENERAL OBSERVATIONS.

OVERCROWDING.

The Council have erected 84 houses during the year to complete the 124 houses for overcrowding purposes.

In one case a tenant on the new housing estate took in his daughter and family to live with him—a letter and visits from the Council Officials had the desired effect.

I am of the opinion that a good proportion of the overcrowding was due to the inability to pay the rents of houses erected by private enterprise, and there is still a shortage of houses at reasonable rents for the working classes.

The working class area of the district is situated principally at the west side of the Leeds and Liverpool Canal, the houses are of modern construction, and have been generally built during the last 50 to 60 years. The density of the buildings varies from 38 to 40 houses to the acre.

5.—Inspection and Supervision of Food.

MILK SUPPLY.

The Cowsheds, Dairies and Milk Shops within the district are periodically inspected, and every effort is being made to produce clean healthy milk.

Twelve samples were obtained from persons selling milk within the district, and sent to Dr. H. D. Wright for Bacteriological examination. "Tubercle Bacilli" was negative in eleven of the samples, and positive in one, which was reported to the County Council.

Veterinary inspections are carried out if any animal is suspected, or on a sample of milk showing Tubercle Bacilli.

FOOD AND DRUGS (ADULTERATION) ACT, 1928, ETC.

Samples of food were taken under the above Act by the County Police. The following particulars have been kindly supplied by Superintendent Jackson, Seaforth Division :—

Nature of Sample.				No. of Samples taken.
Milk	...	...	...	44
Cinnamon	...	...	...	1
Borax	...	...	...	1
Jam (Raspberry)	...	...	...	3
Butter	...	...	...	3
Custard Powder	...	...	...	2
Chocolate	...	...	...	2
Lard	...	...	...	3
Gravy Browning	...	...	...	1
Cheese	...	...	...	2
Marmalade	...	...	...	2
Oatmeal	...	...	...	1
Cocoa	...	...	...	1
Margarine	...	...	...	1
Lemonade Powder	...	...	...	1
Coffee	...	...	...	1
Rice	...	...	...	1
Castor Oil	...	...	...	1
Eucalyptus Oil	...	...	...	1
Flour (S.R.)	...	...	...	1
Olive Oil	...	...	...	1
Pickles	...	...	...	1
Sago	...	...	...	1

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No proceedings were instituted in respect of any samples obtained in the District.

MEAT AND OTHER FOODS.

The food exposed for sale or prepared in the district has been examined from time to time. The premises and shops have been kept in a cleanly state.

Unsound meat and other foods have been destroyed in the Destructor.

There are no Public Slaughter-houses, and only one Private Slaughter-house in the district, and this is Registered.

Fourteen samples of milk were submitted to the County Analyst; thirteen were reported "Genuine," and one adulterated, a further sample taken was reported "Genuine."

Notice has been given regularly by the Slaughterers in accordance with the Meat Regulations (1924) of the day and time of killing, and the carcasses have been examined for the presence of disease.

SHELL FISH (MOLLUSCAN).

There are no shell fish beds or layings in the district.

BAKEHOUSES.

There are ten Bakehouses in the district; these are in a sanitary condition, clean, and well kept; minor repairs have been attended to.

6.—Prevalence of and Control over Infectious Disease.

One hundred and fourty cases of infectious diseases were notified, and one hundred and nine cases were removed to Hospital (see Tables of Notifiable Diseases).

Diphtheria Anti-toxin is supplied by Bootle Infectious Diseases Hospital. A supply is kept by the Medical Officer of Health. There are no other Vaccines or Sera supplied free to Medical Practitioners.

DIPHTHERIA.

Immunization against Diphtheria has now been undertaken by the Local Authority; this is being done at the County Clinic, Linacre Road, Litherland, by the Medical Officer of Health every Friday afternoon during school time; 160 cases were completed during the year, each receiving three injections of T.A.F.

SCARLET FEVER.

No return cases were discovered during the year.

MALARIA.

There were no cases notified during the year.

CANCER.

There were 25 deaths from Cancer (12 males and 13 females) during the year, as against 22 in 1937. Private Practitioners and Patients make their own arrangements with the Liverpool City Hospitals for Radium Treatment if necessary.

PREVENTION OF BLINDNESS.

This work is carried out by the Lancashire County Council.

TUBERCULOSIS.

No action has been necessary in respect of Tuberculosis employees in the Milk Trade, or to Section 62, Public Health Act, 1925, for removal to hospital of infectious persons suffering from Pulmonary Tuberculosis.

GENERAL.

There have been no Primary or Re-Vaccinations carried out by the Medical Officer of Health during the year.

It has not been necessary to close the schools during the year on account of sickness.

There have been no reports made under Article 17 (7), Sanitary Officers (Outside London) Regulations, 1935, which refers to cases of Plague, Cholera, Smallpox, or any serious outbreak of disease in the district.

INFLUENZA.

There was no severe Influenza Epidemic during the year.

There were no other diseases or cases of sickness which required special attention.

DISINFECTION.

There were 408 rooms in 133 houses disinfected during the year by means of Formaldehyde Vapour and Izal (Sprayed) after Infectious Disease, including Tuberculosis, 504 articles were disinfected at the Council's Disinfector (a Washington Lyons Type) situated in the Council's yard, Field Lane.

There is no arrangement for bathing verminous persons, etc.

Disinfestation has been carried out at one hundred and fifty-seven houses.

Notifiable Diseases, 1938.

Number of cases of Infectious Diseases notified, number of deaths from these diseases, number of cases removed to Hospital, and deaths in Hospital during the year 1938 :—

NOTIFIABLE DISEASES.	CASES NOTIFIED.													HOSPITAL		To DEATHS
	Total Cases at all Ages.	YEARS.												Total Cases removed to Hospital.	Deaths in Hospital of persons belonging to District.	
		Under 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 35	35 to 45	45 to 65	65 and over			
Smallpox... ..	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	64	...	4	5	5	2	26	12	3	7	...	...	...	52	1	...
Diphtheria, including Membranous Croup	37	...	...	2	2	2	21	8	1	...	1	...	...	49	2	...
Typhoid Fever, including Paratyphoid	1	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...
Acute Primary Pneumonia } Acute Influenzal Pneumonia }	27	1	1	...	...	1	1	...	3	4	2	9	5	3	...	...
Erysipelas	5	...	...	...	...	...	...	...	2	3	...	...	...	2	...	...
Neuro-Spinal Fever ...	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acute Poliomyelitis ...	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acute Polio-encephalitis	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles sentry... ..	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Conjunctivitis Neonatorum	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	6	...	...	...	...	1	...	...	...	...	1	2	2	1	...	...
Malaria— Contracted in this C'try	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Contracted abroad	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Any other disease notifi- cable in district, <i>e.g.</i> — Chicken Pox	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles, excluding German Measles...	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Any other disease...	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Anthrax	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS	140	1	5	7	7	6	48	20	9	14	4	12	7	109	3	...

TUBERCULOSIS.

NEW CASES AND MORTALITY DURING 1938.

AGE PERIODS.	NEW CASES.				DEATHS.			
	Respiratory.		Non-Respiratory.		Respiratory.		Non-Respiratory.	
	M	F	M	F	M	F	M	F
Years								
0—1	...	...	...	...	...	...	...	...
1—5	...	1	2	1	...	...	...	...
5—10	1	...	...	...	...	...	...	...
10—15	...	...	...	1	...	...	...	...
15—20	1	4	1	1	1	...	...	...
20—25	...	3	...	1	...	4	...	...
25—35	4	2	...	1	1	1	...	...
35—45	1	1	...	...	2	...	...	...
45—55	1	...	...	...	2	1	...	...
55—65	2	1	...	...	1	2	...	1
65 and upwards ...	...	...	...	...	...	...	...	...
TOTALS ...	10	12	3	5	7	8	...	1
	22		8		15		1	

TUBERCULOSIS NOTIFIED DURING THE YEAR :—

OCCUPATION.	Pulmonary		Non-Pulmonary	
	Males.	Females.	Males.	Females.
Under School Age... ..	...	1	2	1
School Children	1	...	...	1
Errand Boy	1	...	...	...
Home Duties	...	1	...	...
Housewives	...	6	...	...
Cabinet Maker	1	...	...	...
Labourers	2	...	...	...
Factory Workers	1	2	...	...
Domestic Servant	...	...	...	1
Confectioner	...	...	...	1
Laundry Workers	...	1	...	1
Railway Porter	1	...	...	...
Solicitor's Clerk	1	...	...	...
Envelope Maker	...	1	...	...
Dock Clerk... ..	1	...	...	...
Tannery Worker	...	...	1	...
Steel Erector	1	...	...	...
TOTALS ...	10	12	3	5

The total number of Deaths occurring in the separate Wards are as follows :—

			NORTH	SOUTH	EAST	WEST	TOTAL
Respiratory	...	...	...	8	2	5	15
Non-Respiratory	...	...	...	...	1	...	1
TOTALS	...	...	...	8	3	5	16

The rate of non-notified Tuberculosis deaths to total Tuberculosis deaths was one to sixteen.

There is no evidence of excessive incidence of, or mortality from Tuberculosis in any particular occupation in the district.

No action has been taken or necessary in respect of persons suffering from Pulmonary Tuberculosis, employed in the Milk Trade, or for the compulsory removal to hospital of persons suffering from Tuberculosis.

7.—Maternity and Child Welfare.

The whole of this work is carried out by the Lancashire County Council at 32 Linacre Road, Litherland.

OPHTHALMIA NEONATORUM.

This work is carried out by the Lancashire County Council, there were no cases notified during the year.

I again wish to thank the Sanitary Inspector, Mr. H. Harrison, for his valued assistance, and to tender my thanks to the various members of the Council for considering advice given by me.

Your obedient Servant,

T. D. WILLIAMS,

Medical Officer of Health.

The Urban District Council of Litherland.

ANNUAL REPORT

OF THE

Sanitary Inspector.

1938.

19th June, 1939.

TO THE CHAIRMAN AND MEMBERS
OF THE HEALTH COMMITTEE.

LADIES AND GENTLEMEN,

I beg to submit the Annual Report of the work executed in the Health Department during the past year, together with the particulars of the nuisances abated and improvements effected thereby.

INSPECTION OF THE DISTRICT, NOTICES SERVED, &c.

During the year 3,276 inspections and re-inspections were made in reference to complaints and housing.

It was necessary in numerous instances, however, to interview and write to the persons concerned, drawing their attention to notices which had not received prompt attention.

There were 986 Preliminary Notices and letters, etc., referring to nuisances and general dilapidations served, and in due course complied with.

In seventeen instances Statutory Notices were served, after which the work was completed to my satisfaction, without having to resort to legal proceedings.

INSPECTION OF THE FOOD SUPPLY.—The food exposed for sale in the district has been inspected from time to time, and in many instances improved conditions have been obtained. Meat shops and food preparing places are inspected periodically. All animals slaughtered in the district are examined, also all country dressed pigs brought in to butchers shops. Diseased and unsound meat or food is disposed of in the destructor.

SLAUGHTER-HOUSES.—There is one “private” slaughter-house within the district, the number of cattle, calves, sheep and pigs slaughtered and inspected in the Urban District during the year is as follows :—

INSPECTION OF MEAT :—

	Cattle (excluding Cows)	Cows	Calves	Sheep and Lambs	Pigs
Number killed (if known)	8	42	2	511	184
Number inspected	8	42	2	511	184
All diseases except Tuberculosis—					
Whole Carcases condemned	Nil	Nil	Nil	2	2
Carcases of which some part or organ condemned	Nil	13	Nil	14	Nil
Percentage of the number inspected affected with disease other than tuberculosis	Nil	30.95	Nil	2.73	Nil
Tuberculosis only—					
Whole Carcases condemned	Nil	Nil	Nil	Nil	Nil
Carcases of which some part or organ was condemned... ..	Nil	4	Nil	Nil	2
Percentage of the number inspected affected with tuberculosis	Nil	8.52	Nil	Nil	1.08

Country dressed pigs brought to shops and inspected.....17

Country dressed calves brought to shops and inspected...Nil

A proportion of the meat supply is obtained from the Birkenhead and Liverpool lairages, and from the adjacent Rural District.

BAKEHOUSES.—Number on register, 10. The premises are all in a satisfactory condition and are well conducted, several minor defects have been remedied, after notifying the owners concerned, six notices were served with respect to cleansing and other defects, these were all complied with.

During the year it has been necessary to warn some of the Greengrocers with regard to vegetables being placed in front of the premises where it was possible for dogs to soil them. In every case this has been attended to by placing the vegetables on boxes or frames of sufficient height to prevent soiling.

DAIRIES, COWSHEDS AND MILKSHOPS.—Number of cowkeepers on register, 4, number of milk shops (other than cowkeepers), 10. 33 visits were made during the year. On the whole a fairly high standard of cleanliness is maintained, and the health of the cattle is satisfactory.

FARM AND OUTBUILDINGS.—Pickering's Farm, Hatton Hill Road, was demolished during the year to make room for the new Town Hall and Council Offices.

Four supplementary licenses were issued to retail :—

(1) "Tuberculin Tested" Milk (one).

(2) "Accredited" Milk (one).

(3) "Pasteurised" Milk (two).

Also one Bottling Licence for "Accredited" Milk was issued.

MILK SAMPLES.—Twelve samples were taken for the discovery of Tuberculosis among cattle, eleven were "negative," and one positive, which was reported to the County Council. Fourteen samples of milk were also taken under the Sale of Food and Drugs (Adulteration) Act, and thirteen were reported "genuine" and one Adulterated, a further sample was taken, and reported "genuine."

There are approximately 46 cows kept in the district.

MILK IN SCHOOLS.—Eight samples were taken for the County Council from the schools, for the discovery of Tuberculosis amongst cattle.

ICE CREAM PREMISES.—Four visits were paid to places where Ice Cream was manufactured or stored, and instructions given where necessary, re storage and cleansing of utensils. Vendors who were exposing the containers (wafers, cones, etc.) to atmospheric pollution, were requested to keep them under cover until required; this was attended to.

FISH FRYING SHOPS.—There are 13 fish and chip potato vendors established within the district. The premises have been visited from time to time and are maintained in a generally satisfactory condition.

ASHPITS TO BIN SYSTEM.—The total number of conversions during the five years 1933–37, is 45. The approximate number of movable ashbins at present in use in the district is 5,301.

Two disused open ashpits were also dealt with. These ashpits were surrounded by a high wall, the only means of access being through a small door at the rear of the W.C. and behind the flush-pipe. These were being used as a dump for any jobbers in the district and were also rat infested. The ashpits were opened out by means of doorways, and converted into a coal's houses.

TIPLER CLOSET.—One old Tipler Closet was found on inspection, this was demolished and replaced by a Washdown Pedestal closet.

ERADICATION OF BED BUGS.—One hundred and fifty-seven houses were disinfected during the year by means of spraying with Zaldecide and Sulphur Candles, the furniture was also sprayed with Zaldecide where necessary. Clothing and bedding were taken to the Council's Steam Disinfector. All the overcrowded tenants' bedding and furniture were dealt with before moving to Council houses. The whole of this work is carried out by the Council's workmen.

ANTS.—Three houses were infested with ants, and were treated with Zaldecide successfully.

RATS AND MICE DESTRUCTION ACT, 1919—117 rats have been destroyed during the year by rat catchers with dogs and ferrets.

In several cases the cause was due to defective drains, and in each case the drains were repaired and the possibility of further infestation removed.

SMOKE ABATEMENT.—Eight observations were taken of Factory chimneys during the year, no legal proceedings were necessary.

CARAVANS.—Five Caravans came into the district on land in Lily Road, the land being unsuitable for caravans, notices were served on the owners of the land, also on the occupiers. The Court ordered the caravans to be removed and there has been no other caravans in the district since.

ADMINISTRATION OF THE FACTORY & WORKSHOP ACT, 1901 & 1937,

IN CONNECTION WITH

FACTORIES & OTHER PREMISES.

NUMBER OF INSPECTIONS AND NATURE OF DEFECTS.

PREMISES	Number of		
	Inspections	Written Notices	Prosecutions
Factories (with mechanical power) ...	99	1	Nil
Factories (without mechanical power)	145	8	Nil
Other Premises	11	3	Nil
	255	12	Nil

DEFECTS FOUND IN FACTORIES, WORKSHOPS AND WORKPLACES.

PARTICULARS	Number of Defects			No. of Prosecutions
	Found	Remedied	Referred to H.M. Inspector	
Want of Cleanliness	3	3	...	...
Inadequate Ventilation	1	1	...	...
Ineffective Drainage of floors ...	7	7	...	...
Sanitary accommodation— Insufficient, Unsuitable or Defective } Separation of Sexes ... }	18	18	...	...
Offences under Factory & W'shops Act	...	...	...	...
Illegal occupation of underground bakeries	...	...	...	...
Breach of sanitary requirements for bakehouses	...	...	...	...
Other Offences	10	10	...	...
	39	39	...	...

SUPERVISION OF INFECTIOUS DISEASES.—One hundred & thirty-three visits were paid to houses where Infectious Diseases had occurred and the necessary enquiries made into each case, also a sanitary survey was made of the premises, notices served where necessary for various defects, and work carried out.

Notices to strip and cleanse the walls and ceilings, where necessary, were served, and 56 re-visits were paid to ensure that the work was carried out. The schools have been thoroughly disinfected thrice during the year. The head teachers have been notified regarding children attending the schools where infectious disease has occurred, also after disinfection.

SUMMARY OF WORK OF DEPARTMENT.

Number of houses inspected	978
Number of re-inspections to houses	3276
Number of visits and re-visits to factories and workshops	210
Number of visits to bakehouses	16
Number of visits to cowsheds, dairies, and milkshops ...	33
Number of preliminary notices served and letters, etc. ...	986
Number of statutory notices served	17
Number of visits to offensive trades	2
Number of visits to outworkers	1
Samples of milk submitted for bacteriological examination	12
Samples of milk taken under Sale of Food and Drugs Acts	15
Samples of milk from schools	8
Cases of infectious disease visited and reported upon ...	133
Number of notices served to strip and cleanse walls ...	56
Number of houses fumigated	133
Number of rooms fumigated	408
Number of articles fumigated	594
Number of verminous houses disinfested	157
Number of visits to fish frying shops	28
Number of visits to butchers' shops and food preparing places	215
Number of visits to slaughter-house	144
Number of visits to schools	98
Number of visits under Rat and Mice Destruction Act ...	16
Number of visits to stable premises and garages	11
Number of visits to ice cream premises	4
Number of visits re Diphtheria Immunisation	64
Number of smoke observations taken	8
Overcrowded houses, furniture and bedding disinfested ...	54
Number of visits to Tents, Vans and Sheds	38
Rent books inspected	358
Number of visits under Housing Acts	399
Number of visits to Wet Fish Shops	8
Number of visits under Shops Acts	65
Number of visits where Animals or Fowls kept, found to be a nuisance	3

DETAILS OF SANITARY IMPROVEMENTS AND ABATEMENT OF NUISANCES.

Drains tested, repaired or renewed	245
Defective w.c. cisterns, pans, traps, water supply, etc. ...	197
Staircases repaired	27
Defective water supply to houses, etc., new taps, burst pipes, etc.	143
Defective floors in dwelling-houses, etc.	122
Offensive accumulations	61
New ashbins provided	59
Insanitary yard surfaces	147
Walls and chimneys pointed and repaired	223
Defective eaves, gutters, r.w. pipes, etc.	119
New back boilers, storage cisterns and cylinders provided or repaired	65
Defective skirting boards repaired	5
Plasterwork and limewashing	175
Repairs to window sashes and frames, and lighting and ventilation improved	179
Leaky roofs (dwelling-houses) etc.	275
New doors and repairs to doors	252
Disused Ashpits abolished	2
Defective wash boilers and structures	46
New sinks or other sanitary fittings	100
Defective fire ranges, jambs and flues	127
House cleansed after infectious disease, etc.	56
Defective drainer boards	14

OFFICES AND SHOPS ACTS, 1934.

Repairs or Renewals to W.C.'s	4
Plasterwork and Limewashing	2
Doors repaired or renewed	3
New Sinks and other sanitary fittings	3
Yards and Floors repaired	6
Drains tested, repaired or renewed	3
Burst pipes, new taps, etc.	1
Roofs repaired	2
Walls and chimneys repaired	1
Water supplies and new taps, etc.	3

I am, Ladies and Gentlemen,

Your obedient Servant,

H. HARRISON, M.R.San.I., M.S.I.A.,

Sanitary Inspector.

